

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-4000K-66**

Issue Date: 11/8/2022



Test Information

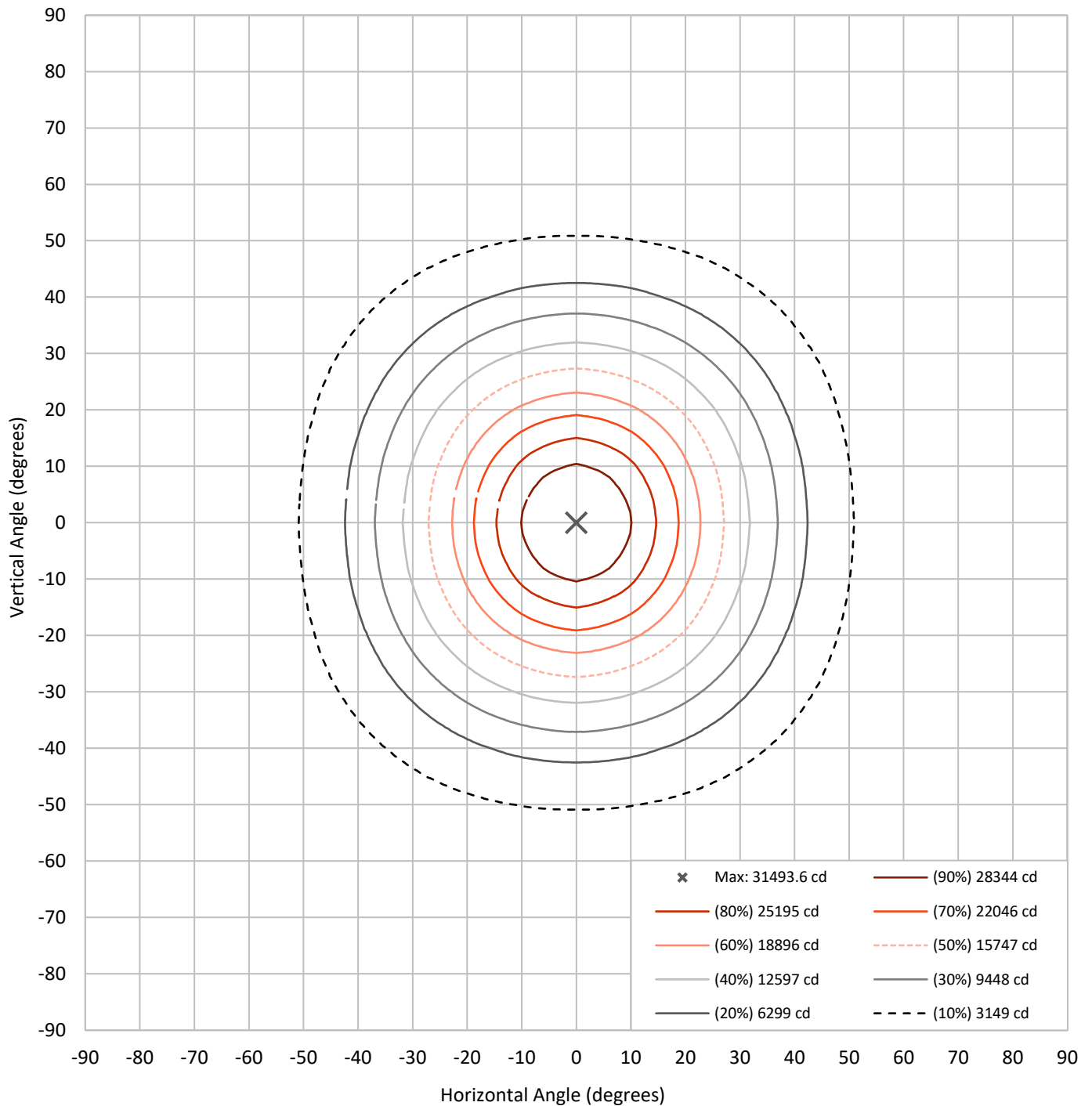
Test Method: LM-79-08
Report Number: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-4000K-66
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 66 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	32656.5 lumens	Max Intensity:	31493.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	15704 lumens	Field Lumens:	28659.7 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	249.5		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

Iso-Candela Plot





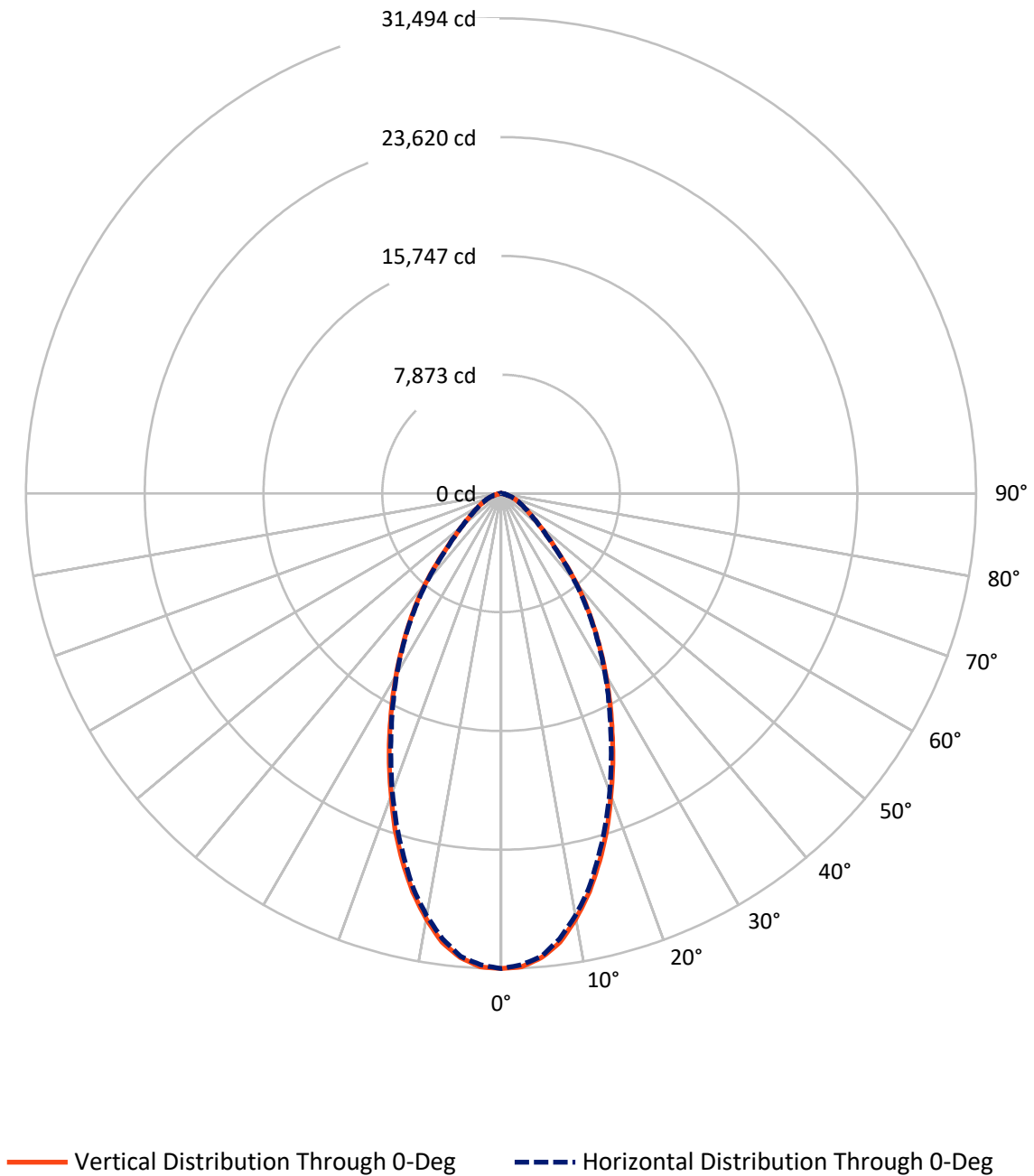
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Lumen Table

90																			
80	2.3	14.0		28.2		42.9		36.7		42.9		28.2		14.0		2.3			
70																			
60	5.8	6.1	10.9	16.6	23.2	29.6	34.5	37.0	37.0	34.5	29.6	23.2	16.6	10.9	6.1	5.8			
50		8.1	15.4	25.4	38.0	51.8	64.3	71.7	71.7	64.3	51.8	38.0	25.4	15.4	8.1				
40	7.7	10.2	20.7	37.4	62.0	95.1	130.9	155.2	155.2	130.9	95.1	62.0	37.4	20.7	10.2	7.7			
30		12.1	26.7	53.8	103.2	182.6	265.6	316.8	316.8	265.6	182.6	103.2	53.8	26.7	12.1				
20	8.9	13.9	32.9	74.6	165.2	298.2	428.4	514.1	514.1	428.4	298.2	165.2	74.6	32.9	13.9	8.9			
10		15.3	38.4	96.0	225.1	401.6	594.6	734.2	734.2	594.6	401.6	225.1	96.0	38.4	15.3				
0	9.3	16.1	41.7	110.0	259.5	465.7	709.2	891.5	891.5	709.2	465.7	259.5	110.0	41.7	16.1	9.3			
-10		16.1	41.7	110.0	259.5	465.7	709.2	891.5	891.5	709.2	465.7	259.5	110.0	41.7	16.1				
-20	8.9	15.3	38.4	96.0	225.1	401.6	594.6	734.2	734.2	594.6	401.6	225.1	96.0	38.4	15.3	8.9			
-30		13.9	32.9	74.6	165.2	298.2	428.4	514.1	514.1	428.4	298.2	165.2	74.6	32.9	13.9				
-40	7.7	12.1	26.7	53.8	103.2	182.6	265.6	316.8	316.8	265.6	182.6	103.2	53.8	26.7	12.1	7.7			
-50		10.2	20.7	37.4	62.0	95.1	130.9	155.2	155.2	130.9	95.1	62.0	37.4	20.7	10.2				
-60	5.8	8.1	15.4	25.4	38.0	51.8	64.3	71.7	71.7	64.3	51.8	38.0	25.4	15.4	8.1	5.8			
-70		6.1	10.9	16.6	23.2	29.6	34.5	37.0	37.0	34.5	29.6	23.2	16.6	10.9	6.1				
-80	2.3	14.0		28.2		42.9		36.7		42.9		28.2		14.0		2.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

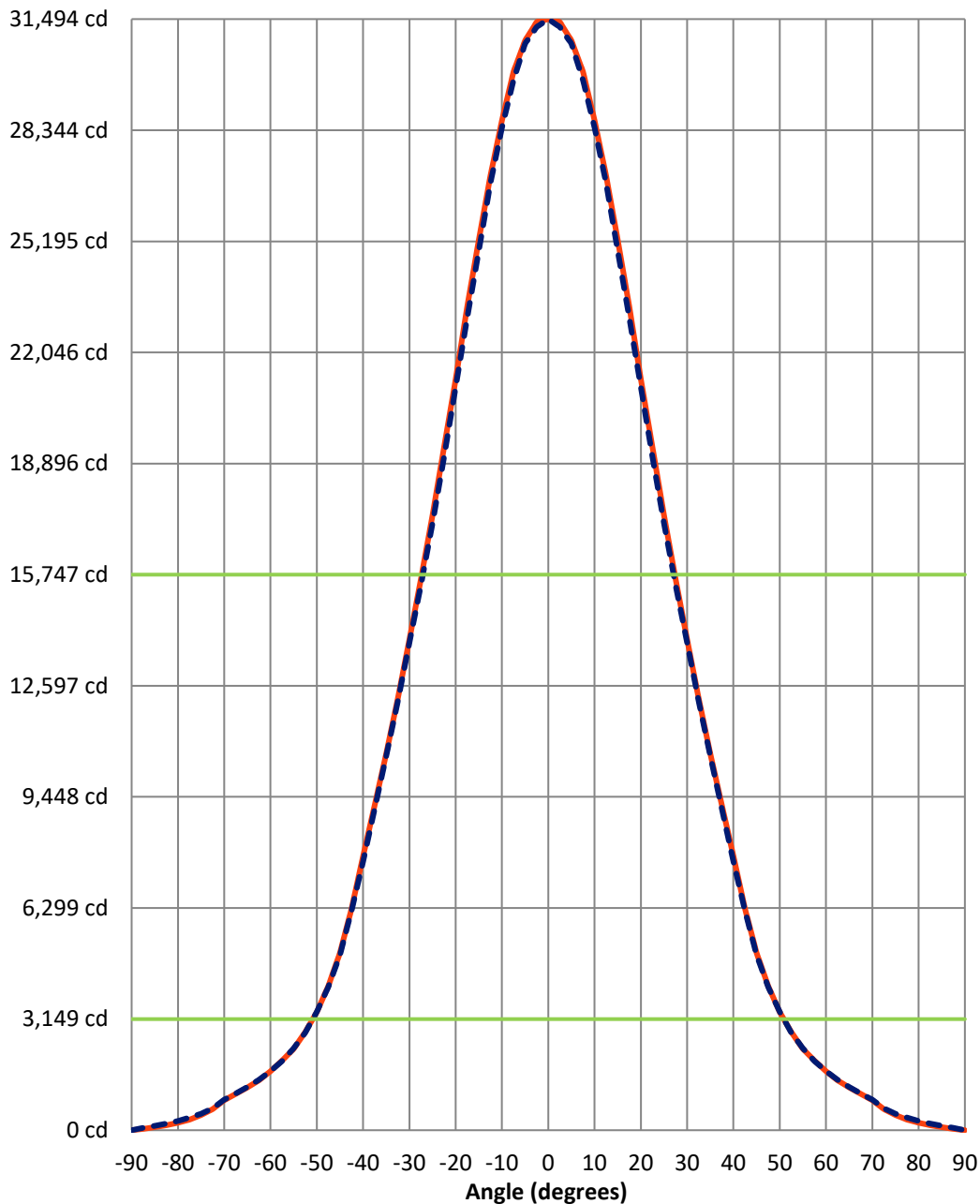
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 54.2°
 V Angle: 54.7°
 Lumens: 15704
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 28659.7
 Efficiency: 87.8%

Spill:
 Lumens: 3996.8
 Efficiency: 12.2%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.3	7.3	12.6	18.9	26.3	34.7	39.6	44.2	48.5	52.5
85°	0.0	6.6	14.6	25.1	37.8	52.5	69.2	79.2	88.3	96.9	104.9
82.5°	0.0	9.8	21.8	37.5	56.4	78.4	103.4	118.6	132.1	143.7	154.6
80°	0.0	13.1	29.0	49.8	74.9	104.0	136.7	155.5	172.1	187.8	202.7
77.5°	0.0	16.3	36.1	61.9	92.9	127.8	166.2	190.9	211.8	231.7	252.9
75°	0.0	19.5	43.1	73.7	110.0	148.6	194.9	226.1	251.3	278.1	309.9
72.5°	0.0	22.6	49.9	85.3	123.7	168.7	222.4	259.8	289.1	324.3	365.3
70°	0.0	25.6	56.6	95.9	136.9	187.9	248.0	289.0	325.6	368.7	403.6
67.5°	0.0	28.6	63.2	103.7	149.4	206.1	267.4	317.1	360.6	399.6	437.5
65°	0.0	31.6	69.5	111.1	161.2	221.8	285.9	344.0	387.9	430.0	472.4
62.5°	0.0	34.4	75.7	118.1	172.2	235.4	303.2	368.3	414.6	460.6	510.1
60°	0.0	37.2	81.6	124.6	182.3	248.1	319.4	391.4	440.8	493.8	546.9
57.5°	0.0	39.9	85.5	130.5	191.2	259.9	334.5	412.6	468.9	526.2	584.5
55°	0.0	42.4	89.2	135.9	199.3	270.7	348.6	429.3	496.8	558.3	622.2
52.5°	0.0	44.9	92.8	140.7	206.8	280.6	361.6	447.0	523.8	591.9	659.3
50°	0.0	47.3	96.2	144.9	213.6	290.4	373.5	463.4	550.9	624.9	700.1
47.5°	0.0	49.5	99.5	148.7	219.5	299.3	384.5	478.3	579.6	657.0	740.4
45°	0.0	51.6	102.6	152.6	224.8	307.2	395.8	491.6	599.7	692.1	779.6
42.5°	0.0	53.6	105.5	155.9	229.2	314.2	405.8	506.0	618.2	726.0	818.0
40°	0.0	55.5	108.2	160.2	233.5	320.3	414.4	520.9	636.8	757.7	854.8
37.5°	0.0	57.3	110.8	164.8	237.6	325.4	421.7	534.6	657.0	781.4	889.6
35°	0.0	58.9	113.1	169.0	241.1	330.2	427.7	547.0	676.2	806.5	924.7
32.5°	0.0	60.4	115.3	172.8	243.7	334.2	433.7	558.1	694.3	832.7	960.7
30°	0.0	61.7	117.2	176.3	245.7	337.2	441.5	568.8	711.3	859.9	994.9
27.5°	0.0	63.0	119.0	179.4	250.3	339.1	448.1	581.2	729.1	887.8	1027.4
25°	0.0	64.0	120.6	182.1	254.6	340.0	453.4	592.2	749.5	914.5	1058.0
22.5°	0.0	65.0	121.9	184.5	258.2	341.5	457.4	601.7	769.4	938.7	1089.1
20°	0.0	65.8	123.0	186.4	261.2	346.5	459.9	609.7	788.4	960.8	1117.1
17.5°	0.0	66.4	123.9	187.9	263.5	350.8	464.7	616.0	806.3	980.6	1141.9
15°	0.0	66.9	124.6	189.1	265.1	354.4	470.0	622.0	822.7	997.9	1163.4
12.5°	0.0	67.3	125.1	189.9	266.1	357.2	473.4	627.5	837.3	1012.8	1181.5
10°	0.0	67.5	125.4	190.2	266.5	359.3	475.1	630.7	849.4	1024.2	1196.4
7.5°	0.0	67.6	125.4	190.2	266.2	360.6	475.2	631.6	858.5	1032.7	1208.6
5°	0.0	67.6	125.2	189.8	265.3	361.0	473.7	630.2	864.4	1038.2	1217.5
2.5°	0.0	67.4	124.8	189.0	263.8	360.5	470.7	626.6	866.9	1040.8	1222.9
0°	0.0	67.1	124.2	187.9	261.7	359.1	466.4	620.8	865.8	1040.3	1224.8
-2.5°	0.0	67.4	124.8	189.0	263.8	360.5	470.7	626.6	866.9	1040.8	1222.9
-5°	0.0	67.6	125.2	189.8	265.3	361.0	473.7	630.2	864.4	1038.2	1217.5
-7.5°	0.0	67.6	125.4	190.2	266.2	360.6	475.2	631.6	858.5	1032.7	1208.6
-10°	0.0	67.5	125.4	190.2	266.5	359.3	475.1	630.7	849.4	1024.2	1196.4
-12.5°	0.0	67.3	125.1	189.9	266.1	357.2	473.4	627.5	837.3	1012.8	1181.5
-15°	0.0	66.9	124.6	189.1	265.1	354.4	470.0	622.0	822.7	997.9	1163.4
-17.5°	0.0	66.4	123.9	187.9	263.5	350.8	464.7	616.0	806.3	980.6	1141.9
-20°	0.0	65.8	123.0	186.4	261.2	346.5	459.9	609.7	788.4	960.8	1117.1

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Scaled Data Report



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	65.0	121.9	184.5	258.2	341.5	457.4	601.7	769.4	938.7	1089.1
-25°	0.0	64.0	120.6	182.1	254.6	340.0	453.4	592.2	749.5	914.5	1058.0
-27.5°	0.0	63.0	119.0	179.4	250.3	339.1	448.1	581.2	729.1	887.8	1027.4
-30°	0.0	61.7	117.2	176.3	245.7	337.2	441.5	568.8	711.3	859.9	994.9
-32.5°	0.0	60.4	115.3	172.8	243.7	334.2	433.7	558.1	694.3	832.7	960.7
-35°	0.0	58.9	113.1	169.0	241.1	330.2	427.7	547.0	676.2	806.5	924.7
-37.5°	0.0	57.3	110.8	164.8	237.6	325.4	421.7	534.6	657.0	781.4	889.6
-40°	0.0	55.5	108.2	160.2	233.5	320.3	414.4	520.9	636.8	757.7	854.8
-42.5°	0.0	53.6	105.5	155.9	229.2	314.2	405.8	506.0	618.2	726.0	818.0
-45°	0.0	51.6	102.6	152.6	224.8	307.2	395.8	491.6	599.7	692.1	779.6
-47.5°	0.0	49.5	99.5	148.7	219.5	299.3	384.5	478.3	579.6	657.0	740.4
-50°	0.0	47.3	96.2	144.9	213.6	290.4	373.5	463.4	550.9	624.9	700.1
-52.5°	0.0	44.9	92.8	140.7	206.8	280.6	361.6	447.0	523.8	591.9	659.3
-55°	0.0	42.4	89.2	135.9	199.3	270.7	348.6	429.3	496.8	558.3	622.2
-57.5°	0.0	39.9	85.5	130.5	191.2	259.9	334.5	412.6	468.9	526.2	584.5
-60°	0.0	37.2	81.6	124.6	182.3	248.1	319.4	391.4	440.8	493.8	546.9
-62.5°	0.0	34.4	75.7	118.1	172.2	235.4	303.2	368.3	414.6	460.6	510.1
-65°	0.0	31.6	69.5	111.1	161.2	221.8	285.9	344.0	387.9	430.0	472.4
-67.5°	0.0	28.6	63.2	103.7	149.4	206.1	267.4	317.1	360.6	399.6	437.5
-70°	0.0	25.6	56.6	95.9	136.9	187.9	248.0	289.0	325.6	368.7	403.6
-72.5°	0.0	22.6	49.9	85.3	123.7	168.7	222.4	259.8	289.1	324.3	365.3
-75°	0.0	19.5	43.1	73.7	110.0	148.6	194.9	226.1	251.3	278.1	309.9
-77.5°	0.0	16.3	36.1	61.9	92.9	127.8	166.2	190.9	211.8	231.7	252.9
-80°	0.0	13.1	29.0	49.8	74.9	104.0	136.7	155.5	172.1	187.8	202.7
-82.5°	0.0	9.8	21.8	37.5	56.4	78.4	103.4	118.6	132.1	143.7	154.6
-85°	0.0	6.6	14.6	25.1	37.8	52.5	69.2	79.2	88.3	96.9	104.9
-87.5°	0.0	3.3	7.3	12.6	18.9	26.3	34.7	39.6	44.2	48.5	52.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	56.2	59.6	62.7	65.4	63.9	61.5	58.4	54.7	61.2	68.1	75.2
85°	112.3	119.1	124.6	129.4	126.4	121.9	116.3	109.6	122.8	137.6	152.9
82.5°	164.6	173.6	181.8	189.1	186.4	181.0	173.9	164.8	183.2	205.5	228.6
80°	216.0	228.1	241.2	251.9	250.0	242.9	232.6	219.3	240.2	271.3	302.6
77.5°	274.3	292.0	306.6	318.1	316.4	310.5	304.4	298.1	321.2	353.4	383.2
75°	336.5	356.4	368.9	382.9	388.2	387.4	386.9	393.1	421.0	457.0	488.4
72.5°	390.1	405.9	424.5	445.8	458.4	467.4	482.8	504.0	530.9	559.7	585.9
70°	431.3	453.5	478.3	502.5	523.9	545.2	568.6	593.5	621.2	651.2	679.4
67.5°	472.2	501.8	530.5	558.9	587.9	616.3	646.5	678.2	708.2	741.6	774.9
65°	516.4	549.7	583.5	617.3	650.8	689.8	727.1	761.9	799.2	840.8	880.1
62.5°	558.9	598.4	636.8	677.6	723.0	766.7	809.7	853.6	897.9	948.6	997.8
60°	600.7	646.6	693.4	744.0	794.6	844.2	893.5	950.5	1008.6	1065.0	1125.3
57.5°	642.2	697.9	753.3	809.6	865.6	922.1	989.1	1054.5	1124.7	1194.5	1262.9
55°	685.4	751.3	812.8	875.4	940.3	1012.9	1087.5	1167.0	1245.4	1336.2	1420.8
52.5°	731.8	803.2	873.1	943.9	1022.3	1104.9	1191.8	1285.4	1386.9	1488.4	1594.2
50°	777.2	855.9	933.6	1017.2	1106.0	1200.8	1305.1	1417.2	1536.4	1656.1	1784.6
47.5°	823.0	906.8	998.5	1090.6	1193.6	1305.8	1426.9	1560.8	1694.3	1846.9	1996.3
45°	867.6	961.0	1059.6	1169.7	1286.1	1416.6	1559.9	1708.0	1878.9	2051.1	2239.6
42.5°	910.3	1015.0	1127.2	1246.3	1385.8	1534.1	1692.3	1879.1	2071.4	2280.5	2510.2
40°	956.9	1067.3	1193.7	1333.9	1485.2	1652.3	1845.2	2052.0	2283.7	2538.0	2805.6
37.5°	1002.3	1125.6	1260.3	1416.4	1589.7	1780.6	1995.3	2245.5	2516.6	2808.3	3161.7
35°	1045.5	1180.9	1331.9	1500.6	1686.6	1915.0	2168.1	2445.8	2761.6	3130.6	3544.2
32.5°	1090.3	1233.1	1398.7	1585.0	1799.7	2049.5	2336.2	2665.9	3038.6	3459.5	3976.0
30°	1134.7	1289.4	1463.7	1663.9	1906.6	2191.1	2520.5	2886.5	3316.2	3848.3	4462.5
27.5°	1176.0	1341.8	1531.0	1750.2	2009.7	2321.6	2695.2	3129.4	3637.3	4238.8	4956.2
25°	1214.1	1390.4	1592.8	1833.4	2120.5	2463.1	2868.6	3349.1	3957.4	4666.8	5520.5
22.5°	1251.4	1434.9	1650.9	1908.1	2220.3	2600.4	3056.0	3604.0	4272.1	5062.6	6066.3
20°	1287.6	1482.7	1710.6	1982.0	2310.1	2724.4	3226.9	3840.6	4598.5	5530.9	6644.0
17.5°	1319.6	1525.2	1768.2	2060.0	2414.5	2851.8	3386.6	4048.0	4894.2	5960.7	7202.0
15°	1347.4	1562.4	1818.4	2128.4	2509.3	2979.4	3558.0	4279.5	5205.9	6366.2	7685.8
12.5°	1370.9	1594.0	1861.1	2186.8	2590.0	3087.0	3704.9	4487.8	5505.6	6750.0	8104.7
10°	1389.9	1619.9	1896.1	2235.0	2656.2	3174.1	3825.6	4656.0	5750.5	7058.9	8452.4
7.5°	1406.3	1641.4	1923.4	2272.6	2707.7	3240.7	3919.5	4783.7	5940.0	7300.8	8722.6
5°	1418.6	1658.4	1943.7	2300.1	2742.7	3292.4	3988.5	4870.9	6072.6	7472.9	8912.8
2.5°	1426.3	1669.5	1955.8	2316.7	2761.5	3333.9	4040.4	4938.4	6172.1	7579.4	9041.8
0°	1429.5	1674.5	1959.8	2322.2	2765.1	3355.7	4063.8	4966.5	6218.2	7614.2	9107.5
-2.5°	1426.3	1669.5	1955.8	2316.7	2761.5	3333.9	4040.4	4938.4	6172.1	7579.4	9041.8
-5°	1418.6	1658.4	1943.7	2300.1	2742.7	3292.4	3988.5	4870.9	6072.6	7472.9	8912.8
-7.5°	1406.3	1641.4	1923.4	2272.6	2707.7	3240.7	3919.5	4783.7	5940.0	7300.8	8722.6
-10°	1389.9	1619.9	1896.1	2235.0	2656.2	3174.1	3825.6	4656.0	5750.5	7058.9	8452.4
-12.5°	1370.9	1594.0	1861.1	2186.8	2590.0	3087.0	3704.9	4487.8	5505.6	6750.0	8104.7
-15°	1347.4	1562.4	1818.4	2128.4	2509.3	2979.4	3558.0	4279.5	5205.9	6366.2	7685.8
-17.5°	1319.6	1525.2	1768.2	2060.0	2414.5	2851.8	3386.6	4048.0	4894.2	5960.7	7202.0
-20°	1287.6	1482.7	1710.6	1982.0	2310.1	2724.4	3226.9	3840.6	4598.5	5530.9	6644.0

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1251.4	1434.9	1650.9	1908.1	2220.3	2600.4	3056.0	3604.0	4272.1	5062.6	6066.3
-25°	1214.1	1390.4	1592.8	1833.4	2120.5	2463.1	2868.6	3349.1	3957.4	4666.8	5520.5
-27.5°	1176.0	1341.8	1531.0	1750.2	2009.7	2321.6	2695.2	3129.4	3637.3	4238.8	4956.2
-30°	1134.7	1289.4	1463.7	1663.9	1906.6	2191.1	2520.5	2886.5	3316.2	3848.3	4462.5
-32.5°	1090.3	1233.1	1398.7	1585.0	1799.7	2049.5	2336.2	2665.9	3038.6	3459.5	3976.0
-35°	1045.5	1180.9	1331.9	1500.6	1686.6	1915.0	2168.1	2445.8	2761.6	3130.6	3544.2
-37.5°	1002.3	1125.6	1260.3	1416.4	1589.7	1780.6	1995.3	2245.5	2516.6	2808.3	3161.7
-40°	956.9	1067.3	1193.7	1333.9	1485.2	1652.3	1845.2	2052.0	2283.7	2538.0	2805.6
-42.5°	910.3	1015.0	1127.2	1246.3	1385.8	1534.1	1692.3	1879.1	2071.4	2280.5	2510.2
-45°	867.6	961.0	1059.6	1169.7	1286.1	1416.6	1559.9	1708.0	1878.9	2051.1	2239.6
-47.5°	823.0	906.8	998.5	1090.6	1193.6	1305.8	1426.9	1560.8	1694.3	1846.9	1996.3
-50°	777.2	855.9	933.6	1017.2	1106.0	1200.8	1305.1	1417.2	1536.4	1656.1	1784.6
-52.5°	731.8	803.2	873.1	943.9	1022.3	1104.9	1191.8	1285.4	1386.9	1488.4	1594.2
-55°	685.4	751.3	812.8	875.4	940.3	1012.9	1087.5	1167.0	1245.4	1336.2	1420.8
-57.5°	642.2	697.9	753.3	809.6	865.6	922.1	989.1	1054.5	1124.7	1194.5	1262.9
-60°	600.7	646.6	693.4	744.0	794.6	844.2	893.5	950.5	1008.6	1065.0	1125.3
-62.5°	558.9	598.4	636.8	677.6	723.0	766.7	809.7	853.6	897.9	948.6	997.8
-65°	516.4	549.7	583.5	617.3	650.8	689.8	727.1	761.9	799.2	840.8	880.1
-67.5°	472.2	501.8	530.5	558.9	587.9	616.3	646.5	678.2	708.2	741.6	774.9
-70°	431.3	453.5	478.3	502.5	523.9	545.2	568.6	593.5	621.2	651.2	679.4
-72.5°	390.1	405.9	424.5	445.8	458.4	467.4	482.8	504.0	530.9	559.7	585.9
-75°	336.5	356.4	368.9	382.9	388.2	387.4	386.9	393.1	421.0	457.0	488.4
-77.5°	274.3	292.0	306.6	318.1	316.4	310.5	304.4	298.1	321.2	353.4	383.2
-80°	216.0	228.1	241.2	251.9	250.0	242.9	232.6	219.3	240.2	271.3	302.6
-82.5°	164.6	173.6	181.8	189.1	186.4	181.0	173.9	164.8	183.2	205.5	228.6
-85°	112.3	119.1	124.6	129.4	126.4	121.9	116.3	109.6	122.8	137.6	152.9
-87.5°	56.2	59.6	62.7	65.4	63.9	61.5	58.4	54.7	61.2	68.1	75.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	82.4	82.8	82.8	82.6	82.1	83.7	85.1	86.4	87.5	77.9	67.8
85°	168.7	170.3	170.7	170.5	169.8	171.0	171.8	172.1	172.0	154.4	135.8
82.5°	252.4	261.1	269.0	277.5	286.5	285.6	282.3	277.7	271.7	244.7	215.5
80°	332.0	347.3	359.1	369.8	379.4	376.9	372.2	366.8	360.9	330.1	295.9
77.5°	413.1	432.2	446.1	457.8	467.6	469.0	467.7	465.6	462.6	431.8	395.4
75°	515.3	533.1	546.6	560.0	573.1	580.1	583.2	585.0	585.2	557.7	522.1
72.5°	609.6	630.4	650.3	669.8	687.8	699.5	707.4	714.6	721.0	707.4	686.4
70°	706.5	732.3	756.2	779.2	801.9	820.3	833.4	844.3	853.0	855.8	857.2
67.5°	808.8	840.1	869.8	897.9	925.8	949.6	967.4	983.5	997.7	1008.4	1015.6
65°	918.8	958.3	995.6	1029.2	1059.3	1089.7	1115.5	1138.1	1157.5	1173.0	1184.6
62.5°	1044.0	1090.5	1135.4	1176.2	1212.9	1249.9	1286.7	1318.8	1346.1	1368.4	1385.2
60°	1182.0	1235.0	1292.8	1347.3	1397.9	1444.6	1490.1	1530.4	1565.4	1595.1	1619.7
57.5°	1336.2	1404.8	1472.4	1542.7	1605.5	1660.7	1718.7	1776.0	1825.3	1866.7	1900.8
55°	1507.2	1595.5	1679.7	1765.9	1849.4	1926.0	1998.6	2074.6	2140.3	2195.4	2240.6
52.5°	1694.8	1809.7	1919.0	2023.7	2136.5	2239.7	2332.8	2433.4	2524.8	2602.5	2670.6
50°	1917.3	2050.6	2194.3	2329.5	2475.4	2616.7	2743.9	2873.6	3001.6	3110.0	3201.6
47.5°	2163.1	2325.7	2512.8	2699.7	2878.2	3071.1	3249.5	3415.8	3589.3	3737.6	3861.4
45°	2434.3	2656.5	2880.6	3128.1	3356.1	3615.1	3858.6	4075.8	4318.3	4535.1	4716.4
42.5°	2753.3	3034.3	3316.5	3634.9	3945.6	4272.2	4616.7	4926.5	5249.8	5562.7	5825.1
40°	3129.4	3463.3	3852.8	4236.2	4666.3	5077.5	5565.6	6000.6	6409.6	6809.4	7146.8
37.5°	3546.9	3988.3	4467.0	4953.7	5541.8	6118.2	6691.9	7233.4	7721.2	8168.2	8523.0
35°	4025.8	4579.5	5151.2	5860.7	6556.7	7263.2	7919.6	8537.5	9091.7	9543.3	9919.5
32.5°	4578.5	5233.1	6020.4	6842.5	7651.4	8434.0	9171.3	9827.5	10405.6	10921.4	11365.4
30°	5161.1	6013.2	6933.3	7852.9	8736.2	9584.4	10374.5	11111.2	11782.5	12361.9	12858.1
27.5°	5845.2	6832.5	7856.9	8841.3	9790.2	10704.5	11603.6	12441.8	13177.5	13786.9	14405.5
25°	6523.8	7654.8	8747.3	9791.6	10815.5	11837.5	12829.9	13771.4	14629.8	15379.8	16046.0
22.5°	7239.7	8420.9	9574.8	10682.6	11843.9	12957.1	14039.6	15115.1	16102.1	16962.1	17716.2
20°	7898.3	9123.3	10344.5	11581.1	12838.0	14045.7	15265.7	16426.1	17525.4	18567.1	19424.1
17.5°	8489.7	9781.8	11066.6	12369.8	13741.8	15109.5	16432.1	17690.5	18945.5	20156.7	21163.2
15°	9018.0	10372.8	11692.7	13110.9	14589.8	16062.7	17535.6	18924.0	20336.4	21677.5	22871.5
12.5°	9484.3	10881.8	12284.7	13792.3	15342.6	16877.3	18489.7	20100.6	21666.9	23114.1	24411.0
10°	9868.3	11323.9	12826.4	14389.9	15995.4	17618.6	19354.7	21082.5	22821.2	24358.6	25769.2
7.5°	10162.8	11653.7	13225.1	14848.1	16545.1	18277.8	20094.5	21916.9	23691.3	25343.7	26819.1
5°	10368.0	11875.4	13488.4	15146.3	16912.1	18726.3	20662.1	22603.8	24415.5	26124.0	27635.2
2.5°	10511.3	12023.5	13654.8	15312.4	17110.4	18989.1	20929.5	22943.2	24797.2	26550.4	28232.7
0°	10607.5	12154.5	13815.6	15453.2	17201.5	19087.4	21064.0	23030.4	24929.8	26835.8	28416.4
-2.5°	10511.3	12023.5	13654.8	15312.4	17110.4	18989.1	20929.5	22943.2	24797.2	26550.4	28232.7
-5°	10368.0	11875.4	13488.4	15146.3	16912.1	18726.3	20662.1	22603.8	24415.5	26124.0	27635.2
-7.5°	10162.8	11653.7	13225.1	14848.1	16545.1	18277.8	20094.5	21916.9	23691.3	25343.7	26819.1
-10°	9868.3	11323.9	12826.4	14389.9	15995.4	17618.6	19354.7	21082.5	22821.2	24358.6	25769.2
-12.5°	9484.3	10881.8	12284.7	13792.3	15342.6	16877.3	18489.7	20100.6	21666.9	23114.1	24411.0
-15°	9018.0	10372.8	11692.7	13110.9	14589.8	16062.7	17535.6	18924.0	20336.4	21677.5	22871.5
-17.5°	8489.7	9781.8	11066.6	12369.8	13741.8	15109.5	16432.1	17690.5	18945.5	20156.7	21163.2
-20°	7898.3	9123.3	10344.5	11581.1	12838.0	14045.7	15265.7	16426.1	17525.4	18567.1	19424.1



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7239.7	8420.9	9574.8	10682.6	11843.9	12957.1	14039.6	15115.1	16102.1	16962.1	17716.2
-25°	6523.8	7654.8	8747.3	9791.6	10815.5	11837.5	12829.9	13771.4	14629.8	15379.8	16046.0
-27.5°	5845.2	6832.5	7856.9	8841.3	9790.2	10704.5	11603.6	12441.8	13177.5	13786.9	14405.5
-30°	5161.1	6013.2	6933.3	7852.9	8736.2	9584.4	10374.5	11111.2	11782.5	12361.9	12858.1
-32.5°	4578.5	5233.1	6020.4	6842.5	7651.4	8434.0	9171.3	9827.5	10405.6	10921.4	11365.4
-35°	4025.8	4579.5	5151.2	5860.7	6556.7	7263.2	7919.6	8537.5	9091.7	9543.3	9919.5
-37.5°	3546.9	3988.3	4467.0	4953.7	5541.8	6118.2	6691.9	7233.4	7721.2	8168.2	8523.0
-40°	3129.4	3463.3	3852.8	4236.2	4666.3	5077.5	5565.6	6000.6	6409.6	6809.4	7146.8
-42.5°	2753.3	3034.3	3316.5	3634.9	3945.6	4272.2	4616.7	4926.5	5249.8	5562.7	5825.1
-45°	2434.3	2656.5	2880.6	3128.1	3356.1	3615.1	3858.6	4075.8	4318.3	4535.1	4716.4
-47.5°	2163.1	2325.7	2512.8	2699.7	2878.2	3071.1	3249.5	3415.8	3589.3	3737.6	3861.4
-50°	1917.3	2050.6	2194.3	2329.5	2475.4	2616.7	2743.9	2873.6	3001.6	3110.0	3201.6
-52.5°	1694.8	1809.7	1919.0	2023.7	2136.5	2239.7	2332.8	2433.4	2524.8	2602.5	2670.6
-55°	1507.2	1595.5	1679.7	1765.9	1849.4	1926.0	1998.6	2074.6	2140.3	2195.4	2240.6
-57.5°	1336.2	1404.8	1472.4	1542.7	1605.5	1660.7	1718.7	1776.0	1825.3	1866.7	1900.8
-60°	1182.0	1235.0	1292.8	1347.3	1397.9	1444.6	1490.1	1530.4	1565.4	1595.1	1619.7
-62.5°	1044.0	1090.5	1135.4	1176.2	1212.9	1249.9	1286.7	1318.8	1346.1	1368.4	1385.2
-65°	918.8	958.3	995.6	1029.2	1059.3	1089.7	1115.5	1138.1	1157.5	1173.0	1184.6
-67.5°	808.8	840.1	869.8	897.9	925.8	949.6	967.4	983.5	997.7	1008.4	1015.6
-70°	706.5	732.3	756.2	779.2	801.9	820.3	833.4	844.3	853.0	855.8	857.2
-72.5°	609.6	630.4	650.3	669.8	687.8	699.5	707.4	714.6	721.0	707.4	686.4
-75°	515.3	533.1	546.6	560.0	573.1	580.1	583.2	585.0	585.2	557.7	522.1
-77.5°	413.1	432.2	446.1	457.8	467.6	469.0	467.7	465.6	462.6	431.8	395.4
-80°	332.0	347.3	359.1	369.8	379.4	376.9	372.2	366.8	360.9	330.1	295.9
-82.5°	252.4	261.1	269.0	277.5	286.5	285.6	282.3	277.7	271.7	244.7	215.5
-85°	168.7	170.3	170.7	170.5	169.8	171.0	171.8	172.1	172.0	154.4	135.8
-87.5°	82.4	82.8	82.8	82.6	82.1	83.7	85.1	86.4	87.5	77.9	67.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	57.4	46.8	41.9	36.9	41.9	46.8	57.4	67.8	77.9	87.5	86.4
85°	116.7	97.1	92.2	87.2	92.2	97.1	116.7	135.8	154.4	172.0	172.1
82.5°	185.3	154.3	147.5	140.9	147.5	154.3	185.3	215.5	244.7	271.7	277.7
80°	260.8	224.8	217.9	211.4	217.9	224.8	260.8	295.9	330.1	360.9	366.8
77.5°	357.7	318.9	308.6	298.7	308.6	318.9	357.7	395.4	431.8	462.6	465.6
75°	485.0	446.2	437.4	429.5	437.4	446.2	485.0	522.1	557.7	585.2	585.0
72.5°	664.7	641.6	620.7	597.3	620.7	641.6	664.7	686.4	707.4	721.0	714.6
70°	858.8	859.6	856.1	849.0	856.1	859.6	858.8	857.2	855.8	853.0	844.3
67.5°	1020.2	1021.9	1026.9	1030.2	1026.9	1021.9	1020.2	1015.6	1008.4	997.7	983.5
65°	1193.0	1198.2	1205.9	1211.4	1205.9	1198.2	1193.0	1184.6	1173.0	1157.5	1138.1
62.5°	1397.2	1404.4	1410.5	1412.8	1410.5	1404.4	1397.2	1385.2	1368.4	1346.1	1318.8
60°	1638.8	1652.3	1664.1	1671.2	1664.1	1652.3	1638.8	1619.7	1595.1	1565.4	1530.4
57.5°	1926.7	1944.3	1961.1	1973.2	1961.1	1944.3	1926.7	1900.8	1866.7	1825.3	1776.0
55°	2275.0	2298.3	2308.3	2305.4	2308.3	2298.3	2275.0	2240.6	2195.4	2140.3	2074.6
52.5°	2726.6	2768.6	2786.5	2781.9	2786.5	2768.6	2726.6	2670.6	2602.5	2524.8	2433.4
50°	3273.9	3325.0	3349.6	3349.0	3349.6	3325.0	3273.9	3201.6	3110.0	3001.6	2873.6
47.5°	3959.8	4030.3	4073.8	4090.6	4073.8	4030.3	3959.8	3861.4	3737.6	3589.3	3415.8
45°	4860.0	4963.5	5020.3	5026.9	5020.3	4963.5	4860.0	4716.4	4535.1	4318.3	4075.8
42.5°	6027.5	6172.2	6255.6	6275.2	6255.6	6172.2	6027.5	5825.1	5562.7	5249.8	4926.5
40°	7399.1	7576.0	7691.9	7768.5	7691.9	7576.0	7399.1	7146.8	6809.4	6409.6	6000.6
37.5°	8811.2	9041.3	9188.1	9211.5	9188.1	9041.3	8811.2	8523.0	8168.2	7721.2	7233.4
35°	10233.1	10469.3	10612.7	10674.6	10612.7	10469.3	10233.1	9919.5	9543.3	9091.7	8537.5
32.5°	11717.6	11984.8	12150.9	12235.0	12150.9	11984.8	11717.6	11365.4	10921.4	10405.6	9827.5
30°	13268.3	13586.7	13790.3	13906.2	13790.3	13586.7	13268.3	12858.1	12361.9	11782.5	11111.2
27.5°	14899.0	15279.6	15531.4	15627.7	15531.4	15279.6	14899.0	14405.5	13786.9	13177.5	12441.8
25°	16580.6	16992.2	17274.7	17433.1	17274.7	16992.2	16580.6	16046.0	15379.8	14629.8	13771.4
22.5°	18336.8	18825.6	19190.8	19366.0	19190.8	18825.6	18336.8	17716.2	16962.1	16102.1	15115.1
20°	20148.0	20682.7	21106.1	21288.8	21106.1	20682.7	20148.0	19424.1	18567.1	17525.4	16426.1
17.5°	21994.2	22645.1	23119.2	23349.2	23119.2	22645.1	21994.2	21163.2	20156.7	18945.5	17690.5
15°	23785.8	24475.8	24989.8	25238.5	24989.8	24475.8	23785.8	22871.5	21677.5	20336.4	18924.0
12.5°	25445.6	26178.1	26692.3	27050.6	26692.3	26178.1	25445.6	24411.0	23114.1	21666.9	20100.6
10°	26928.4	27727.5	28249.5	28621.1	28249.5	27727.5	26928.4	25769.2	24358.6	22821.2	21082.5
7.5°	28039.7	29049.6	29638.8	30003.7	29638.8	29049.6	28039.7	26819.1	25343.7	23691.3	21916.9
5°	28894.3	30006.5	30540.6	30886.2	30540.6	30006.5	28894.3	27635.2	26124.0	24415.5	22603.8
2.5°	29518.3	30395.1	31065.2	31409.7	31065.2	30395.1	29518.3	28232.7	26550.4	24797.2	22943.2
0°	29762.1	30795.6	31268.8	31493.6	31268.8	30795.6	29762.1	28416.4	26835.8	24929.8	23030.4
-2.5°	29518.3	30395.1	31065.2	31409.7	31065.2	30395.1	29518.3	28232.7	26550.4	24797.2	22943.2
-5°	28894.3	30006.5	30540.6	30886.2	30540.6	30006.5	28894.3	27635.2	26124.0	24415.5	22603.8
-7.5°	28039.7	29049.6	29638.8	30003.7	29638.8	29049.6	28039.7	26819.1	25343.7	23691.3	21916.9
-10°	26928.4	27727.5	28249.5	28621.1	28249.5	27727.5	26928.4	25769.2	24358.6	22821.2	21082.5
-12.5°	25445.6	26178.1	26692.3	27050.6	26692.3	26178.1	25445.6	24411.0	23114.1	21666.9	20100.6
-15°	23785.8	24475.8	24989.8	25238.5	24989.8	24475.8	23785.8	22871.5	21677.5	20336.4	18924.0
-17.5°	21994.2	22645.1	23119.2	23349.2	23119.2	22645.1	21994.2	21163.2	20156.7	18945.5	17690.5
-20°	20148.0	20682.7	21106.1	21288.8	21106.1	20682.7	20148.0	19424.1	18567.1	17525.4	16426.1



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18336.8	18825.6	19190.8	19366.0	19190.8	18825.6	18336.8	17716.2	16962.1	16102.1	15115.1
-25°	16580.6	16992.2	17274.7	17433.1	17274.7	16992.2	16580.6	16046.0	15379.8	14629.8	13771.4
-27.5°	14899.0	15279.6	15531.4	15627.7	15531.4	15279.6	14899.0	14405.5	13786.9	13177.5	12441.8
-30°	13268.3	13586.7	13790.3	13906.2	13790.3	13586.7	13268.3	12858.1	12361.9	11782.5	11111.2
-32.5°	11717.6	11984.8	12150.9	12235.0	12150.9	11984.8	11717.6	11365.4	10921.4	10405.6	9827.5
-35°	10233.1	10469.3	10612.7	10674.6	10612.7	10469.3	10233.1	9919.5	9543.3	9091.7	8537.5
-37.5°	8811.2	9041.3	9188.1	9211.5	9188.1	9041.3	8811.2	8523.0	8168.2	7721.2	7233.4
-40°	7399.1	7576.0	7691.9	7768.5	7691.9	7576.0	7399.1	7146.8	6809.4	6409.6	6000.6
-42.5°	6027.5	6172.2	6255.6	6275.2	6255.6	6172.2	6027.5	5825.1	5562.7	5249.8	4926.5
-45°	4860.0	4963.5	5020.3	5026.9	5020.3	4963.5	4860.0	4716.4	4535.1	4318.3	4075.8
-47.5°	3959.8	4030.3	4073.8	4090.6	4073.8	4030.3	3959.8	3861.4	3737.6	3589.3	3415.8
-50°	3273.9	3325.0	3349.6	3349.0	3349.6	3325.0	3273.9	3201.6	3110.0	3001.6	2873.6
-52.5°	2726.6	2768.6	2786.5	2781.9	2786.5	2768.6	2726.6	2670.6	2602.5	2524.8	2433.4
-55°	2275.0	2298.3	2308.3	2305.4	2308.3	2298.3	2275.0	2240.6	2195.4	2140.3	2074.6
-57.5°	1926.7	1944.3	1961.1	1973.2	1961.1	1944.3	1926.7	1900.8	1866.7	1825.3	1776.0
-60°	1638.8	1652.3	1664.1	1671.2	1664.1	1652.3	1638.8	1619.7	1595.1	1565.4	1530.4
-62.5°	1397.2	1404.4	1410.5	1412.8	1410.5	1404.4	1397.2	1385.2	1368.4	1346.1	1318.8
-65°	1193.0	1198.2	1205.9	1211.4	1205.9	1198.2	1193.0	1184.6	1173.0	1157.5	1138.1
-67.5°	1020.2	1021.9	1026.9	1030.2	1026.9	1021.9	1020.2	1015.6	1008.4	997.7	983.5
-70°	858.8	859.6	856.1	849.0	856.1	859.6	858.8	857.2	855.8	853.0	844.3
-72.5°	664.7	641.6	620.7	597.3	620.7	641.6	664.7	686.4	707.4	721.0	714.6
-75°	485.0	446.2	437.4	429.5	437.4	446.2	485.0	522.1	557.7	585.2	585.0
-77.5°	357.7	318.9	308.6	298.7	308.6	318.9	357.7	395.4	431.8	462.6	465.6
-80°	260.8	224.8	217.9	211.4	217.9	224.8	260.8	295.9	330.1	360.9	366.8
-82.5°	185.3	154.3	147.5	140.9	147.5	154.3	185.3	215.5	244.7	271.7	277.7
-85°	116.7	97.1	92.2	87.2	92.2	97.1	116.7	135.8	154.4	172.0	172.1
-87.5°	57.4	46.8	41.9	36.9	41.9	46.8	57.4	67.8	77.9	87.5	86.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	85.1	83.7	82.1	82.6	82.8	82.8	82.4	75.2	68.1	61.2	54.7
85°	171.8	171.0	169.8	170.5	170.7	170.3	168.7	152.9	137.6	122.8	109.6
82.5°	282.3	285.6	286.5	277.5	269.0	261.1	252.4	228.6	205.5	183.2	164.8
80°	372.2	376.9	379.4	369.8	359.1	347.3	332.0	302.6	271.3	240.2	219.3
77.5°	467.7	469.0	467.6	457.8	446.1	432.2	413.1	383.2	353.4	321.2	298.1
75°	583.2	580.1	573.1	560.0	546.6	533.1	515.3	488.4	457.0	421.0	393.1
72.5°	707.4	699.5	687.8	669.8	650.3	630.4	609.6	585.9	559.7	530.9	504.0
70°	833.4	820.3	801.9	779.2	756.2	732.3	706.5	679.4	651.2	621.2	593.5
67.5°	967.4	949.6	925.8	897.9	869.8	840.1	808.8	774.9	741.6	708.2	678.2
65°	1115.5	1089.7	1059.3	1029.2	995.6	958.3	918.8	880.1	840.8	799.2	761.9
62.5°	1286.7	1249.9	1212.9	1176.2	1135.4	1090.5	1044.0	997.8	948.6	897.9	853.6
60°	1490.1	1444.6	1397.9	1347.3	1292.8	1235.0	1182.0	1125.3	1065.0	1008.6	950.5
57.5°	1718.7	1660.7	1605.5	1542.7	1472.4	1404.8	1336.2	1262.9	1194.5	1124.7	1054.5
55°	1998.6	1926.0	1849.4	1765.9	1679.7	1595.5	1507.2	1420.8	1336.2	1245.4	1167.0
52.5°	2332.8	2239.7	2136.5	2023.7	1919.0	1809.7	1694.8	1594.2	1488.4	1386.9	1285.4
50°	2743.9	2616.7	2475.4	2329.5	2194.3	2050.6	1917.3	1784.6	1656.1	1536.4	1417.2
47.5°	3249.5	3071.1	2878.2	2699.7	2512.8	2325.7	2163.1	1996.3	1846.9	1694.3	1560.8
45°	3858.6	3615.1	3356.1	3128.1	2880.6	2656.5	2434.3	2239.6	2051.1	1878.9	1708.0
42.5°	4616.7	4272.2	3945.6	3634.9	3316.5	3034.3	2753.3	2510.2	2280.5	2071.4	1879.1
40°	5565.6	5077.5	4666.3	4236.2	3852.8	3463.3	3129.4	2805.6	2538.0	2283.7	2052.0
37.5°	6691.9	6118.2	5541.8	4953.7	4467.0	3988.3	3546.9	3161.7	2808.3	2516.6	2245.5
35°	7919.6	7263.2	6556.7	5860.7	5151.2	4579.5	4025.8	3544.2	3130.6	2761.6	2445.8
32.5°	9171.3	8434.0	7651.4	6842.5	6020.4	5233.1	4578.5	3976.0	3459.5	3038.6	2665.9
30°	10374.5	9584.4	8736.2	7852.9	6933.3	6013.2	5161.1	4462.5	3848.3	3316.2	2886.5
27.5°	11603.6	10704.5	9790.2	8841.3	7856.9	6832.5	5845.2	4956.2	4238.8	3637.3	3129.4
25°	12829.9	11837.5	10815.5	9791.6	8747.3	7654.8	6523.8	5520.5	4666.8	3957.4	3349.1
22.5°	14039.6	12957.1	11843.9	10682.6	9574.8	8420.9	7239.7	6066.3	5062.6	4272.1	3604.0
20°	15265.7	14045.7	12838.0	11581.1	10344.5	9123.3	7898.3	6644.0	5530.9	4598.5	3840.6
17.5°	16432.1	15109.5	13741.8	12369.8	11066.6	9781.8	8489.7	7202.0	5960.7	4894.2	4048.0
15°	17535.6	16062.7	14589.8	13110.9	11692.7	10372.8	9018.0	7685.8	6366.2	5205.9	4279.5
12.5°	18489.7	16877.3	15342.6	13792.3	12284.7	10881.8	9484.3	8104.7	6750.0	5505.6	4487.8
10°	19354.7	17618.6	15995.4	14389.9	12826.4	11323.9	9868.3	8452.4	7058.9	5750.5	4656.0
7.5°	20094.5	18277.8	16545.1	14848.1	13225.1	11653.7	10162.8	8722.6	7300.8	5940.0	4783.7
5°	20662.1	18726.3	16912.1	15146.3	13488.4	11875.4	10368.0	8912.8	7472.9	6072.6	4870.9
2.5°	20929.5	18989.1	17110.4	15312.4	13654.8	12023.5	10511.3	9041.8	7579.4	6172.1	4938.4
0°	21064.0	19087.4	17201.5	15453.2	13815.6	12154.5	10607.5	9107.5	7614.2	6218.2	4966.5
-2.5°	20929.5	18989.1	17110.4	15312.4	13654.8	12023.5	10511.3	9041.8	7579.4	6172.1	4938.4
-5°	20662.1	18726.3	16912.1	15146.3	13488.4	11875.4	10368.0	8912.8	7472.9	6072.6	4870.9
-7.5°	20094.5	18277.8	16545.1	14848.1	13225.1	11653.7	10162.8	8722.6	7300.8	5940.0	4783.7
-10°	19354.7	17618.6	15995.4	14389.9	12826.4	11323.9	9868.3	8452.4	7058.9	5750.5	4656.0
-12.5°	18489.7	16877.3	15342.6	13792.3	12284.7	10881.8	9484.3	8104.7	6750.0	5505.6	4487.8
-15°	17535.6	16062.7	14589.8	13110.9	11692.7	10372.8	9018.0	7685.8	6366.2	5205.9	4279.5
-17.5°	16432.1	15109.5	13741.8	12369.8	11066.6	9781.8	8489.7	7202.0	5960.7	4894.2	4048.0
-20°	15265.7	14045.7	12838.0	11581.1	10344.5	9123.3	7898.3	6644.0	5530.9	4598.5	3840.6



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14039.6	12957.1	11843.9	10682.6	9574.8	8420.9	7239.7	6066.3	5062.6	4272.1	3604.0
-25°	12829.9	11837.5	10815.5	9791.6	8747.3	7654.8	6523.8	5520.5	4666.8	3957.4	3349.1
-27.5°	11603.6	10704.5	9790.2	8841.3	7856.9	6832.5	5845.2	4956.2	4238.8	3637.3	3129.4
-30°	10374.5	9584.4	8736.2	7852.9	6933.3	6013.2	5161.1	4462.5	3848.3	3316.2	2886.5
-32.5°	9171.3	8434.0	7651.4	6842.5	6020.4	5233.1	4578.5	3976.0	3459.5	3038.6	2665.9
-35°	7919.6	7263.2	6556.7	5860.7	5151.2	4579.5	4025.8	3544.2	3130.6	2761.6	2445.8
-37.5°	6691.9	6118.2	5541.8	4953.7	4467.0	3988.3	3546.9	3161.7	2808.3	2516.6	2245.5
-40°	5565.6	5077.5	4666.3	4236.2	3852.8	3463.3	3129.4	2805.6	2538.0	2283.7	2052.0
-42.5°	4616.7	4272.2	3945.6	3634.9	3316.5	3034.3	2753.3	2510.2	2280.5	2071.4	1879.1
-45°	3858.6	3615.1	3356.1	3128.1	2880.6	2656.5	2434.3	2239.6	2051.1	1878.9	1708.0
-47.5°	3249.5	3071.1	2878.2	2699.7	2512.8	2325.7	2163.1	1996.3	1846.9	1694.3	1560.8
-50°	2743.9	2616.7	2475.4	2329.5	2194.3	2050.6	1917.3	1784.6	1656.1	1536.4	1417.2
-52.5°	2332.8	2239.7	2136.5	2023.7	1919.0	1809.7	1694.8	1594.2	1488.4	1386.9	1285.4
-55°	1998.6	1926.0	1849.4	1765.9	1679.7	1595.5	1507.2	1420.8	1336.2	1245.4	1167.0
-57.5°	1718.7	1660.7	1605.5	1542.7	1472.4	1404.8	1336.2	1262.9	1194.5	1124.7	1054.5
-60°	1490.1	1444.6	1397.9	1347.3	1292.8	1235.0	1182.0	1125.3	1065.0	1008.6	950.5
-62.5°	1286.7	1249.9	1212.9	1176.2	1135.4	1090.5	1044.0	997.8	948.6	897.9	853.6
-65°	1115.5	1089.7	1059.3	1029.2	995.6	958.3	918.8	880.1	840.8	799.2	761.9
-67.5°	967.4	949.6	925.8	897.9	869.8	840.1	808.8	774.9	741.6	708.2	678.2
-70°	833.4	820.3	801.9	779.2	756.2	732.3	706.5	679.4	651.2	621.2	593.5
-72.5°	707.4	699.5	687.8	669.8	650.3	630.4	609.6	585.9	559.7	530.9	504.0
-75°	583.2	580.1	573.1	560.0	546.6	533.1	515.3	488.4	457.0	421.0	393.1
-77.5°	467.7	469.0	467.6	457.8	446.1	432.2	413.1	383.2	353.4	321.2	298.1
-80°	372.2	376.9	379.4	369.8	359.1	347.3	332.0	302.6	271.3	240.2	219.3
-82.5°	282.3	285.6	286.5	277.5	269.0	261.1	252.4	228.6	205.5	183.2	164.8
-85°	171.8	171.0	169.8	170.5	170.7	170.3	168.7	152.9	137.6	122.8	109.6
-87.5°	85.1	83.7	82.1	82.6	82.8	82.8	82.4	75.2	68.1	61.2	54.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	58.4	61.5	63.9	65.4	62.7	59.6	56.2	52.5	48.5	44.2	39.6
85°	116.3	121.9	126.4	129.4	124.6	119.1	112.3	104.9	96.9	88.3	79.2
82.5°	173.9	181.0	186.4	189.1	181.8	173.6	164.6	154.6	143.7	132.1	118.6
80°	232.6	242.9	250.0	251.9	241.2	228.1	216.0	202.7	187.8	172.1	155.5
77.5°	304.4	310.5	316.4	318.1	306.6	292.0	274.3	252.9	231.7	211.8	190.9
75°	386.9	387.4	388.2	382.9	368.9	356.4	336.5	309.9	278.1	251.3	226.1
72.5°	482.8	467.4	458.4	445.8	424.5	405.9	390.1	365.3	324.3	289.1	259.8
70°	568.6	545.2	523.9	502.5	478.3	453.5	431.3	403.6	368.7	325.6	289.0
67.5°	646.5	616.3	587.9	558.9	530.5	501.8	472.2	437.5	399.6	360.6	317.1
65°	727.1	689.8	650.8	617.3	583.5	549.7	516.4	472.4	430.0	387.9	344.0
62.5°	809.7	766.7	723.0	677.6	636.8	598.4	558.9	510.1	460.6	414.6	368.3
60°	893.5	844.2	794.6	744.0	693.4	646.6	600.7	546.9	493.8	440.8	391.4
57.5°	989.1	922.1	865.6	809.6	753.3	697.9	642.2	584.5	526.2	468.9	412.6
55°	1087.5	1012.9	940.3	875.4	812.8	751.3	685.4	622.2	558.3	496.8	429.3
52.5°	1191.8	1104.9	1022.3	943.9	873.1	803.2	731.8	659.3	591.9	523.8	447.0
50°	1305.1	1200.8	1106.0	1017.2	933.6	855.9	777.2	700.1	624.9	550.9	463.4
47.5°	1426.9	1305.8	1193.6	1090.6	998.5	906.8	823.0	740.4	657.0	579.6	478.3
45°	1559.9	1416.6	1286.1	1169.7	1059.6	961.0	867.6	779.6	692.1	599.7	491.6
42.5°	1692.3	1534.1	1385.8	1246.3	1127.2	1015.0	910.3	818.0	726.0	618.2	506.0
40°	1845.2	1652.3	1485.2	1333.9	1193.7	1067.3	956.9	854.8	757.7	636.8	520.9
37.5°	1995.3	1780.6	1589.7	1416.4	1260.3	1125.6	1002.3	889.6	781.4	657.0	534.6
35°	2168.1	1915.0	1686.6	1500.6	1331.9	1180.9	1045.5	924.7	806.5	676.2	547.0
32.5°	2336.2	2049.5	1799.7	1585.0	1398.7	1233.1	1090.3	960.7	832.7	694.3	558.1
30°	2520.5	2191.1	1906.6	1663.9	1463.7	1289.4	1134.7	994.9	859.9	711.3	568.8
27.5°	2695.2	2321.6	2009.7	1750.2	1531.0	1341.8	1176.0	1027.4	887.8	729.1	581.2
25°	2868.6	2463.1	2120.5	1833.4	1592.8	1390.4	1214.1	1058.0	914.5	749.5	592.2
22.5°	3056.0	2600.4	2220.3	1908.1	1650.9	1434.9	1251.4	1089.1	938.7	769.4	601.7
20°	3226.9	2724.4	2310.1	1982.0	1710.6	1482.7	1287.6	1117.1	960.8	788.4	609.7
17.5°	3386.6	2851.8	2414.5	2060.0	1768.2	1525.2	1319.6	1141.9	980.6	806.3	616.0
15°	3558.0	2979.4	2509.3	2128.4	1818.4	1562.4	1347.4	1163.4	997.9	822.7	622.0
12.5°	3704.9	3087.0	2590.0	2186.8	1861.1	1594.0	1370.9	1181.5	1012.8	837.3	627.5
10°	3825.6	3174.1	2656.2	2235.0	1896.1	1619.9	1389.9	1196.4	1024.2	849.4	630.7
7.5°	3919.5	3240.7	2707.7	2272.6	1923.4	1641.4	1406.3	1208.6	1032.7	858.5	631.6
5°	3988.5	3292.4	2742.7	2300.1	1943.7	1658.4	1418.6	1217.5	1038.2	864.4	630.2
2.5°	4040.4	3333.9	2761.5	2316.7	1955.8	1669.5	1426.3	1222.9	1040.8	866.9	626.6
0°	4063.8	3355.7	2765.1	2322.2	1959.8	1674.5	1429.5	1224.8	1040.3	865.8	620.8
-2.5°	4040.4	3333.9	2761.5	2316.7	1955.8	1669.5	1426.3	1222.9	1040.8	866.9	626.6
-5°	3988.5	3292.4	2742.7	2300.1	1943.7	1658.4	1418.6	1217.5	1038.2	864.4	630.2
-7.5°	3919.5	3240.7	2707.7	2272.6	1923.4	1641.4	1406.3	1208.6	1032.7	858.5	631.6
-10°	3825.6	3174.1	2656.2	2235.0	1896.1	1619.9	1389.9	1196.4	1024.2	849.4	630.7
-12.5°	3704.9	3087.0	2590.0	2186.8	1861.1	1594.0	1370.9	1181.5	1012.8	837.3	627.5
-15°	3558.0	2979.4	2509.3	2128.4	1818.4	1562.4	1347.4	1163.4	997.9	822.7	622.0
-17.5°	3386.6	2851.8	2414.5	2060.0	1768.2	1525.2	1319.6	1141.9	980.6	806.3	616.0
-20°	3226.9	2724.4	2310.1	1982.0	1710.6	1482.7	1287.6	1117.1	960.8	788.4	609.7

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1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3056.0	2600.4	2220.3	1908.1	1650.9	1434.9	1251.4	1089.1	938.7	769.4	601.7
-25°	2868.6	2463.1	2120.5	1833.4	1592.8	1390.4	1214.1	1058.0	914.5	749.5	592.2
-27.5°	2695.2	2321.6	2009.7	1750.2	1531.0	1341.8	1176.0	1027.4	887.8	729.1	581.2
-30°	2520.5	2191.1	1906.6	1663.9	1463.7	1289.4	1134.7	994.9	859.9	711.3	568.8
-32.5°	2336.2	2049.5	1799.7	1585.0	1398.7	1233.1	1090.3	960.7	832.7	694.3	558.1
-35°	2168.1	1915.0	1686.6	1500.6	1331.9	1180.9	1045.5	924.7	806.5	676.2	547.0
-37.5°	1995.3	1780.6	1589.7	1416.4	1260.3	1125.6	1002.3	889.6	781.4	657.0	534.6
-40°	1845.2	1652.3	1485.2	1333.9	1193.7	1067.3	956.9	854.8	757.7	636.8	520.9
-42.5°	1692.3	1534.1	1385.8	1246.3	1127.2	1015.0	910.3	818.0	726.0	618.2	506.0
-45°	1559.9	1416.6	1286.1	1169.7	1059.6	961.0	867.6	779.6	692.1	599.7	491.6
-47.5°	1426.9	1305.8	1193.6	1090.6	998.5	906.8	823.0	740.4	657.0	579.6	478.3
-50°	1305.1	1200.8	1106.0	1017.2	933.6	855.9	777.2	700.1	624.9	550.9	463.4
-52.5°	1191.8	1104.9	1022.3	943.9	873.1	803.2	731.8	659.3	591.9	523.8	447.0
-55°	1087.5	1012.9	940.3	875.4	812.8	751.3	685.4	622.2	558.3	496.8	429.3
-57.5°	989.1	922.1	865.6	809.6	753.3	697.9	642.2	584.5	526.2	468.9	412.6
-60°	893.5	844.2	794.6	744.0	693.4	646.6	600.7	546.9	493.8	440.8	391.4
-62.5°	809.7	766.7	723.0	677.6	636.8	598.4	558.9	510.1	460.6	414.6	368.3
-65°	727.1	689.8	650.8	617.3	583.5	549.7	516.4	472.4	430.0	387.9	344.0
-67.5°	646.5	616.3	587.9	558.9	530.5	501.8	472.2	437.5	399.6	360.6	317.1
-70°	568.6	545.2	523.9	502.5	478.3	453.5	431.3	403.6	368.7	325.6	289.0
-72.5°	482.8	467.4	458.4	445.8	424.5	405.9	390.1	365.3	324.3	289.1	259.8
-75°	386.9	387.4	388.2	382.9	368.9	356.4	336.5	309.9	278.1	251.3	226.1
-77.5°	304.4	310.5	316.4	318.1	306.6	292.0	274.3	252.9	231.7	211.8	190.9
-80°	232.6	242.9	250.0	251.9	241.2	228.1	216.0	202.7	187.8	172.1	155.5
-82.5°	173.9	181.0	186.4	189.1	181.8	173.6	164.6	154.6	143.7	132.1	118.6
-85°	116.3	121.9	126.4	129.4	124.6	119.1	112.3	104.9	96.9	88.3	79.2
-87.5°	58.4	61.5	63.9	65.4	62.7	59.6	56.2	52.5	48.5	44.2	39.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.7	26.3	18.9	12.6	7.3	3.3	0.0
85°	69.2	52.5	37.8	25.1	14.6	6.6	0.0
82.5°	103.4	78.4	56.4	37.5	21.8	9.8	0.0
80°	136.7	104.0	74.9	49.8	29.0	13.1	0.0
77.5°	166.2	127.8	92.9	61.9	36.1	16.3	0.0
75°	194.9	148.6	110.0	73.7	43.1	19.5	0.0
72.5°	222.4	168.7	123.7	85.3	49.9	22.6	0.0
70°	248.0	187.9	136.9	95.9	56.6	25.6	0.0
67.5°	267.4	206.1	149.4	103.7	63.2	28.6	0.0
65°	285.9	221.8	161.2	111.1	69.5	31.6	0.0
62.5°	303.2	235.4	172.2	118.1	75.7	34.4	0.0
60°	319.4	248.1	182.3	124.6	81.6	37.2	0.0
57.5°	334.5	259.9	191.2	130.5	85.5	39.9	0.0
55°	348.6	270.7	199.3	135.9	89.2	42.4	0.0
52.5°	361.6	280.6	206.8	140.7	92.8	44.9	0.0
50°	373.5	290.4	213.6	144.9	96.2	47.3	0.0
47.5°	384.5	299.3	219.5	148.7	99.5	49.5	0.0
45°	395.8	307.2	224.8	152.6	102.6	51.6	0.0
42.5°	405.8	314.2	229.2	155.9	105.5	53.6	0.0
40°	414.4	320.3	233.5	160.2	108.2	55.5	0.0
37.5°	421.7	325.4	237.6	164.8	110.8	57.3	0.0
35°	427.7	330.2	241.1	169.0	113.1	58.9	0.0
32.5°	433.7	334.2	243.7	172.8	115.3	60.4	0.0
30°	441.5	337.2	245.7	176.3	117.2	61.7	0.0
27.5°	448.1	339.1	250.3	179.4	119.0	63.0	0.0
25°	453.4	340.0	254.6	182.1	120.6	64.0	0.0
22.5°	457.4	341.5	258.2	184.5	121.9	65.0	0.0
20°	459.9	346.5	261.2	186.4	123.0	65.8	0.0
17.5°	464.7	350.8	263.5	187.9	123.9	66.4	0.0
15°	470.0	354.4	265.1	189.1	124.6	66.9	0.0
12.5°	473.4	357.2	266.1	189.9	125.1	67.3	0.0
10°	475.1	359.3	266.5	190.2	125.4	67.5	0.0
7.5°	475.2	360.6	266.2	190.2	125.4	67.6	0.0
5°	473.7	361.0	265.3	189.8	125.2	67.6	0.0
2.5°	470.7	360.5	263.8	189.0	124.8	67.4	0.0
0°	466.4	359.1	261.7	187.9	124.2	67.1	0.0
-2.5°	470.7	360.5	263.8	189.0	124.8	67.4	0.0
-5°	473.7	361.0	265.3	189.8	125.2	67.6	0.0
-7.5°	475.2	360.6	266.2	190.2	125.4	67.6	0.0
-10°	475.1	359.3	266.5	190.2	125.4	67.5	0.0
-12.5°	473.4	357.2	266.1	189.9	125.1	67.3	0.0
-15°	470.0	354.4	265.1	189.1	124.6	66.9	0.0
-17.5°	464.7	350.8	263.5	187.9	123.9	66.4	0.0
-20°	459.9	346.5	261.2	186.4	123.0	65.8	0.0

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REPORT NUMBER: P624753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	457.4	341.5	258.2	184.5	121.9	65.0	0.0
-25°	453.4	340.0	254.6	182.1	120.6	64.0	0.0
-27.5°	448.1	339.1	250.3	179.4	119.0	63.0	0.0
-30°	441.5	337.2	245.7	176.3	117.2	61.7	0.0
-32.5°	433.7	334.2	243.7	172.8	115.3	60.4	0.0
-35°	427.7	330.2	241.1	169.0	113.1	58.9	0.0
-37.5°	421.7	325.4	237.6	164.8	110.8	57.3	0.0
-40°	414.4	320.3	233.5	160.2	108.2	55.5	0.0
-42.5°	405.8	314.2	229.2	155.9	105.5	53.6	0.0
-45°	395.8	307.2	224.8	152.6	102.6	51.6	0.0
-47.5°	384.5	299.3	219.5	148.7	99.5	49.5	0.0
-50°	373.5	290.4	213.6	144.9	96.2	47.3	0.0
-52.5°	361.6	280.6	206.8	140.7	92.8	44.9	0.0
-55°	348.6	270.7	199.3	135.9	89.2	42.4	0.0
-57.5°	334.5	259.9	191.2	130.5	85.5	39.9	0.0
-60°	319.4	248.1	182.3	124.6	81.6	37.2	0.0
-62.5°	303.2	235.4	172.2	118.1	75.7	34.4	0.0
-65°	285.9	221.8	161.2	111.1	69.5	31.6	0.0
-67.5°	267.4	206.1	149.4	103.7	63.2	28.6	0.0
-70°	248.0	187.9	136.9	95.9	56.6	25.6	0.0
-72.5°	222.4	168.7	123.7	85.3	49.9	22.6	0.0
-75°	194.9	148.6	110.0	73.7	43.1	19.5	0.0
-77.5°	166.2	127.8	92.9	61.9	36.1	16.3	0.0
-80°	136.7	104.0	74.9	49.8	29.0	13.1	0.0
-82.5°	103.4	78.4	56.4	37.5	21.8	9.8	0.0
-85°	69.2	52.5	37.8	25.1	14.6	6.6	0.0
-87.5°	34.7	26.3	18.9	12.6	7.3	3.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)